Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/01/2019 10:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125050	0	1.13	125122	1.13
Blue	F	SSC	125000	124041	-1	1.67	124792	1.70
Blue	E	FITC	16122	15890	-2	2.68	346	19.25
Blue	D	PE	29316	28959	-2	1.85	632	14.44
Blue	B	PerCP-Cy5-5	42590	42117	-2	3.58	1133	19.64
Blue	A	PE-Cy7	33146	33555	1	5.92	644	38.71
Red	C	APC	45473	44867	-2	2.41	1589	12.21
Red	A	APC-Cy7	31961	31246	-3	2.35	830	11.89
Violet	B	V450	7914	7472	-6	5.30	418	13.61
Violet	A	V500	29769	28380	-5	5.12	658	10.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20760	3.08	605	5	N/A	N/A	Pass
Blue	F	SSC	56443	1.23	551	13	N/A	N/A	Pass
Blue	E	FITC	63	63.54	539	2	0.0225	186	Pass
Blue	D	PE	133	48.31	541	4	0.1699	273	Pass
Blue	B	PerCP-Cy5-5	210	48.71	644	6	0.0098	84	Pass
Blue	A	PE-Cy7	120	96.37	697	6	0.0122	18	Pass
Red	C	APC	377	25.72	588	9	0.0241	168	Pass
Red	A	APC-Cy7	183	28.88	564	8	0.0057	1150	Pass
Violet	B	V450	64	62.17	462	2	0.0564	2579	Pass
Violet	A	V500	99	32.43	474	2	0.0221	546	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.47	-32.07	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.60	13.60 - 20.40	N/A	N/A	29.61	30.09	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10526

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments